

MPsrch_tpn n.a. - n.a. Smith-Waterman search, using a protein query which has been backtranslated into n.a. using IUPAC symbols

Tabular output not generated. Run on: Fri Oct 22 08:00:26 1999; MasPar time 128.73 Seconds 873.705 Million cell updates/sec

Description:
Perfect Score:
N.A. Sequence:
Comp: Title: >US-08-978-217-12 (1-16) from US08978217.pep 205

1 AARAAYWSNWSNGGNTGGAARGARGARGARGTNYTNCARWSNMGNAAY 48 TTYTTRWSNWSNCCNACCTTYCTYCTYCANRANGTYWSNKCNTTR

Scoring table: TABLE bktranslate2 Gap 40

Nmatch

STD:

Dbase 0; Query 0

2883791 seqs, 1171580779 bases x 2

Post-processing: Minimum Match 0% Listing first 45 summaries

Database: embl-est58

Database:

1:em_est10 2:em_est11 3:em_est17 4:em_est18 5:em_est2 6:em_est9 7:em_gss1 genbank est111 1:gb_est12 12:gb_est13 13:gb_est14 14:gb_est10 10:gb_est11 11:gb_est12 12:gb_est13 13:gb_est14 14:gb_est15 15:gb_est16 16:gb_est17 17:gb_est18 18:gb_est15 15:gb_est2 20:gb_est20 21:gb_est218 18:gb_est2 23:gb_est2 24:gb_est24 25:gb_est21 22:gb_est22 23:gb_est23 24:gb_est24 25:gb_est25 36:gb_est26 27:gb_est27 38:gb_est28 29:gb_est29 30:gb_est3 31:gb_est4 32:gb_est5 33:gb_est5 33:gb_gss1 38:gb_gss2 39:gb_gss3 40:gb_gss4 41:gb_gss5 42:gb_gss6

Statistics: Mean 51.043; Variance 79.863; scale 0.639

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	o	O	. ₹
987	4. NO	32 1	Result
163 163 163	193 193	193 193 193	Score
79.5 79.5 79.5	94.1 94.1 82.0	94.1 94.1 94.1	% Query Match
280 476 489	461 463 625	300 381 440	% Query Match Length DB
14 22 18	30 29	30 35	BCC
AA560673 AI048101 AA822889	T27397 R73021 AI570386	R50578 AA069015 H12657	Ħ
v171b09.r1 Knowles Sol vn23e03.r1 Knowles Sol vq91h09.r1 Knowles Sol	hbc2545 Human pancreat yj94b10.r1 Soares brea to78q10.x1 NCI_CGAP_Ga	yj60d04.rl Soares brea zm10c02.sl Stratagene yj13c04.rl Soares plac	Description
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_5001_A1_H08_S	xb0047J18r CUGI Ric	d04.rl Soares	11-98M4.TV RPC	ıman f	O_MF CI	irst	ares_N	man	ares n	man fet	vo27h12.rl Barstead mo	nbxb0065I04f CUGI Rice 5	nbxb0064K18f CUGI Rice	tg99g11.x1 NCI_CGAP_CL	C85301 Mouse fertilize	<pre>zt94e02.rl Soares_test</pre>	3.rl Soares	.rl Stratag	.x1 Gessler Wi	ľuji Kohara	11d02.x1 Soares m	_3036_A2_E04_MR CII	32f01.rl Soares mou	32c01.rl Soares mou	8d06.rī Soares mou	Kuji Kohara un	I11-146M15.TJ RPCI	I11-146M16.TJ RPCI	31-Sp6 IGF Arabido	7c01.s1 Barste	8f12.r1 Soares br	.rl Stratage	679 Rat pancreat	4H10 Porcine sm	BDUS.FI E
.75e-0	.21e-0	.21e-0	.33e-0	.33e-0	.33e-0	.33e-0	.33e-0	.33e-0	.33e-0	.33e-0	.33e-0	.72e-0	.72e-0	.72e-0	.72e-0	.72e-0	.72e-0	.72e-0	.72e-0	.72e-0	.72e-0	.72e-0	.72e-0	.72e-0	.72e-0	.72e-0	1.83e-02	.83e-0	.46e-0	.46e-0	.60e-0	.56e-0	.56e-0	.69e-0	. 25e-1

ALIGNMENTS

	TITLE JOURNAL COMMENT	SOURCE ORGANISM PREFERENCE AUTHORS	LOCUS DEFINITION ACCESSION VERSION VERSION
COLLECT: WISON RN Washington University School of Medicine 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108 Tel: 314 286 1800 Fax: 314 286 1810 Email: est@watson.wustl.edu Insert Size: 797 High quality sequence stops: 227 Source: IMAGE Consortium, LLNL This clone is available royalty-free through LLNL; contact the IMAGE Consortium (info@image.llnl.gov) for further information. Insert Length: 797 Std Error: 0.00	nolman, M., hultman, M., Kucada, T., Le, M., Lennon, G., Marra, M., Parsons, J., Rifkin, L., Rohlfing, T., Soares, M., Tan, F., Trevaskis, E., Waterston, R., Williamson, A., Wohldmann, P. and Wilson, R. The WashU-Merck EST Project Unpublished (1995) Contact: Wilson by	human. human. Homo sapiens Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 300) 1 (bases 1 to 300) 1 Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,	R50578 300 bp mRNA EST 18-MAY-1995 yj60d04.rl Soares breast 2NbHBst Homo sapiens cDNA clone IMAGE:153127 5' similar to contains PTR5 repetitive element ;, mRNA sequence. R50578 R50578.1 GI:812480

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TITLE
JOURNAL
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Best Local Similarity 52.1%;
Matches 25; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       26 AAAAACTCAAGCGGCTGGAAGGAGGAAGAGGTTCTCCAGAGTCGGAAC 73
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                                                                                                                              Tel: 314 286 1800
Fax: 314 286 1810
Email: est@watson.wustl.edu
Email: est@watson.wustl.edu
WARNING: There is evidence that suggests that the 384-well parent
plate of this clone contains both human and mouse derived clones.
Thus, the origin of this clone is uncertain. This caution should b
kept in mind should you use this clone.
                                                                                                                                                                                                                                                                                                                                                                                                       Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 381)

Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J., Rifkin,L., Rohlfing,T., Tan,F., Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P. and Wilson,R. washU-Merck EST Project
Unpublished (1995)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AA069015 381 bp mRNA EST 23-DEC-1997 zml0c02.sl Stratagene pancreas (#937208) Homo sapiens cDNA clone IMAGE:525218 3' similar to SW:E74A_DROME P20105 ECDYSONE-INDUCED
                                     This clone is available royalty-free through LLNL; contact the IMAGE Consortium (info@image.llnl.gov) for further information. Insert Length: 416 Std Error: 0.00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PROTEIN 74EFA ;, mRNA sequence.
AA069015
                                                                                                                                                                                                                                                                                              Washington University School of Medicine 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
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                     IMAGE Consortium (info@image.linl.gov
Insert Length: 416 Std Error: 0.00
Seg primer: -40M13 fwd. from Amersham
                                                                                                                                                                                                                                                                                                                                               Contact: Wilson RK
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                                                                                                                                                                                                                                                                                                                                                                                    Apr 14, 1993 this sequence version replaced gi:785641
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/clone="IMAGE:153127"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /dev_stage="adult"
/lab_host="DH10B (ampicillin resistant)"
78 c 89 g 62 t 8 others
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Pred. No. 3.93e-16;
16; Mismatches 7
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                                                                                                                                                                                              source
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Email: est@watson.wustl.edu
Insert Size: 1007
High quality sequence stops: 315
Source: IMAGE Consortium, LLNL
This clone is available royalty-free through LLNL; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
Insert Length: 1007
Std Error: 0.00
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Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.
Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    H12657 440 bp mRNA EST 27-JUN-1999
yj13c04.r1 Soares placenta Nb2HP Homo sapiens cDNA clone
IMAGE:148614 5' similar to SP:A42122 A42122 ELF-1=DROSOPHILA
E74-LIKE FACTOR 1 - HUMAN ;, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                      Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. I
Tel: 314 286 1800
Fax: 314 286 1810
                                                                                                                                                                                                                              Seq primer: M13RP1
High quality seque
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Contact: Wilson RK
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Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Location/Qualifiers
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larity 52.1%;
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                                 went through one round of normalization. Library constructed by Bento Soares and M.Fatima Bonaldo
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/lab_host="SOLR cells (kanamycin resistant)"
121 c 97 g 106 t
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/db_xref="taxon:9606"
/db_yref="taxon:9606"
/map="810D1; 6; 6621.1-6p21.31; 17q21"
/clone="IMAGE:525218"
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Pred. No. 3.93e-16;
16; Mismatches 7
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Best Local
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Best Local Similarity
Matches 25; Conser
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                                                                                                                                 Н
                                                                                                                               AARAAYWSNWSNGGNTGGAARGARGARGTNYTNCARWSNNGNAAY 48
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Eutheria; Primates; Catarrhin
1 (bases 1 to 461)
Bell,G.I. and Takeda,J.
Human pancreatic islet cDNAs
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T27397.1
                R73021 463 bp mRNA
yj94b10:r1 Soares breast 2NbHBst Homo
IMAGE:156379 5', mRNA sequence.
R73021
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Contact: Bell GI or Takeda J
HHMI
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T27397
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     hbc2545 Human pancreatic islet Homo sapiens cDNA clone hbc2545
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Seq primer: SK primer
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                                                                                                                                                                                              Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g-bell@uchicago.edu
                                                                                                                                                                                                                                                                                                    /Organism="Homo sapiens"
/note="Vector: Lambda ZAPI; Site_1: Eco RI; Site_2: Xho
/note="Vector: Lambda ZAPI; Site_1: Eco RI; Site_2: Xho
II; mRNA was prepared from normal adult human islets. cDNA
was directionally synthesized from the Xho I in the vector
to the EcoRI site. cDNA was size fractionated to remove
sequences <1000 bp in size."
/db_xref="taxon:9606"
/clone="hbc2545"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /db_xref="GDB:560397"
/db_xref="taxon:9606"
/clone="IMAGE:148614"
/clone_lib="Soares placenta Nb2HP"
/sex="Female"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /dev_stage="placenta obtained at birth (full term)"
/lab_host="DH10B (ampicillin resistant)"
95 c 138 g 98 t 2 others
                                                                                                                                                                                                                                                                       /clone_lib="Human pancreatic islet"
116 c 133 g 91 t 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Location/Qualifiers
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                                                                                                                                                                                                         94.1%;
52.1%;
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52.1%;
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                                                                                                                                                                                           Score 193; DB 8; Le
Pred. No. 3.93e-16;
16; Mismatches 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  16; Mismatches
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                                              EST 02-JUN-1995
sapiens cDNA clone
                                                                                                                                                                                                                          Length 461
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Best Local :
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                                                                                                                                                                                                                    <u>بــ</u>
                                                                                                                                                                                                                                 8 AAAAACTCAAGCGGCTGGAAGGAAGGAAGAGGTTCTCCAGAGTCGGAAC 55
                                                                                                                                                                                                                  AARAAYWSNWSNGGNTGGAARGARGARGARGTNYTNCARWSNMGNAAY
                                                                                  AI570386 625 bp mRNA 29-MAR-1999 tc78g10.x1 NCI_CGAP_Gas4 Homo sapiens cDAs clone IMAGE:2184450 similar to TR:Q99718 Q99718 EPITHELIAL-SPECIFIC TRANSCRIPTION FACTOR ESE-1A. [1]; mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      High quality sequence stops: 348
Source: IMAGE Consortium, LLNL
This clone is available royalty-free through LLNL; contact the IMAGE Consortium (info@image.llnl.gov) for further information.
Insert Length: 829
Std Error: 0.00
Seq primer: M13RP1
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Tel: 314 286 1800
Fax: 314 286 1810
Email: est@watson.wustl.edu
Insert Size: 829
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On May 9, 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,N
Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marr
Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The WashU-Merck EST Project Unpublished (1995)
                            ĂI570386.1
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                                                                                                                                                                                                                                                                                       94.18;
larity 52.18;
Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /dev_stage="adult"
/lab_host="DH10B (ampicillin resistant)"
121 c 135 g 97 t 3 other
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /db_xref="taxon:9606"
/clone="IMAGE:156379"
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                                                                                                                                                                                                                                                                                                                                                                                                                                          /sex="Female"
                                                                                                                                                                                                                                                                                                                                                                                                                                                       /clone_lib="Soares breast
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /db_xref="GDB:570059"
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Primates; Catarrhini; Hominidae; Homo.
                                GI:4533760
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Library constructed by Bento Soares and M. Fatima
                                                                                                                                                                                                                                                                                       Score 193; DB 30;
Pred. No. 3.93e-16;
16; Mismatches 7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Elliston, K., Hawkins, M.
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Homo sapiens

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                                                                                                                                                                                               Marra,M., Hiller,L., Allen,M., Bowles,M., Dietrich,N., Dubuque,T., Geisel,S., Kucaba,T., Lacy,M., Le,M., Martin,J., Morris,M., Schellenberg,K., Steptoe,M., Tan,F., Underwood,K., Moore,B., Theising,B., Wylie,T., Lennon,G., Soares,B., Wilson,R. and
                                                                                                                                                                                                                                                                                                                                                                                                                   v171b09.rl Knowles Solter mouse blastocyst 81 Mus musculus CDNA clone IMAGE:977657 5' similar to WP:C42D8.4 CE04205 DNA-BINDING
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DNA Sequencing by: Washington University Genome Sequencing Center Clone distribution: NCI-CGAP clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html
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On Mar 16, 1998 th
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National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
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1 (bases 1 to 625)
Contact: Marra M/Mouse EST Project
                                                                                  Waterston, R.
The WashU-HHMI Mouse EST Project
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Contact: Robert Strausberg, Ph.D.
                                                                      Unpublished
                                                                                                                                                                                                                                                                                                                                         AA560673.1
                                                                                                                                                                                                                                                                                                                                                                                                PROTEIN ; , mRNA sequence.
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Location/Qualifiers
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                                                14, 1993 this sequence version replaced gi:716934
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            runce="urgan: stomacn; vector: pCNV-SPORT6; Site_1: Sall;
Site_2: NotI; Cloned unidirectionally. primer: Oligo dT.
Average insert size 1.69 kb. Life Technologies catalog #:
115/0-011"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note="Organ: stomach; Vector: pCMV-SPORT6; Site_1:
Site_2: NotI; Cloned unidirectionally. Primer: Olic
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44.7%;
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Pred. No. 4.47e-11;
16; Mismatches 10
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О.,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAGAACTCTAGTGGCTGGAAGGAAGAAGAGGTTGGAGAGAGTCGGAAT 200
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1 (bass 1 to 476)

Marra,M., Hillier,L., Allen,M., Bowles,M., Dietrich,N., Dubuque,T., Geisel,S., Kucaba,T., Lacy,M., Le,M., Marrin,J., Morris,M., Schellenberg,K., Steptoe,M., Tan,F., Underwood,K., Moore,B., Theising,B., Wylie,T., Lennon,G., Soares,B., Wilson,R. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A1048101 476 bp mRNA EST 08-JUL-1998 vn23e03.rl Knowles Solter mouse blastocyst B1 Mus musculus cDNA clone IMAGE:1022044 5' similar to TR:035275 035275 ETS TRANSCRIPTION FACTOR. ;, mRNA sequence.
                                                                                                                                  Contact: Marra M/Mouse EST Project
WashU-HHMI Mouse EST Project
Washington University School of Medicinep
4444 Forest Park Parkway, Box 8501, St. L/
                                                                                                                                                                                                                                               Unpublished (1996)
On Apr 14, 1993 this sequence version replaced gi:716993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Email: mouseest@watson.wustl.edu
This clone is available royalty-free through LLNL; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
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Location/Qualifiers
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IMAGE Consortium MGI:572820
                                          Email: mouseest@watson.wustl.edu
This clone is available royalty-free through LLNL ;
                                                                                       Tel: 314 286 1800
Fax: 314 286 1810
                                                                                                                                                                                                                                                                                                 The WashU-HHMI Mouse EST Project
                                                                                                                                                                                                                                                                                                                      Waterston, R.
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larity 47.9%;
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Technologies). Two different size selections: B1
inserts) and B3."
/db_xref="taxon:10090"
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/tissue_type="blastocyst"
/dev_stage="embryo (pre-implantation)"
/lab_host="DH10B"
59 c 90 g 52 t
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Site_2: SalI; Cloned unidirectionally from mRNA pre
from 800 blastocysts. primer: SalI(dT):
5'-CGGTCGACCGTCGACCGTTTTTTTTTTTTTT-3', cDNAs wer
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/clone="IMAGE:977657"
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/strain="B6D2 F1/J"
                     (info@image.llnl.gov) for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 163; DB 14;
Pred. No. 4.25e-10;
15; Mismatches 10
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Best Local Similarity 47.9%;
Matches 23; Conservative
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                                                                                                                                                                                                                   Email: mouseest@watson.wustl.edu
This clone is available royalty-free through LLNL; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
                                                                                                                                                                                                                                                                                                                                                                                                                        The WashU-HHMI Mouse EST Project
Unpublished (1996)
On Jan 9, 1998 this sequence version
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Marra,M., Hillier,L., Allen,M., Bowles,M., Dietrich,N., Dubuque,T., Geisel,S., Kucaba,T., Lacy,M., Le,M., Martin,J., Morris,M., Schellenberg,K., Steptoe,M., Tan,F., Underwood,K., Moore,B., Theising,B., Wylie,T., Lennon,G., Soares,B., Wilson,R. and Waterston,R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mamm
Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 489)
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                                                                                                                                                                                                                                                                                    Tel: 314 286 1800
Fax: 314 286 1810
                                                                                                                                                                                                                                                                                                                                            WashU-HHMI Mouse EST Project Washington University School of MedicineP
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                                                                                                                                                                                                                                                                                                                                                                                    Contact: Marra M/Mouse EST Project
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                                                                                                                                                               quality sequence stop: 451.
Location/Qualifiers
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inserts) and B."
/db_xref="taxon:10990"
/clone="IMAGE:1022044"
/clone=lib="Knowles Solter mouse blastocyst B1"
/tissue_type="blastocyst"
/dev_stage="embryo (pre-implantation)"
/lab_host="DH10B"
                                   /note-"Organ: embryo; Vector: pSPORT; Site_1: NotI; Site_2: SalI; Cloned unidirectionally from mRNA prefrom 800 blastocysts. Primer: SalI(dT):
                                                                                                      /organism="Mus musculus"
/strain="B6D2 F1/J"
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-CGGTCGACCGTCGACCGTTTTTTTTTTTTT-3'. cDNAs were oned into the NotI/SalI sites of a pSPORT vector (Life
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Pred. No. 4.25e-10;
15; Mismatches 10
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                   Fax: 314 200 100.
Email: mouseest@watson.wustl.edu
This clone is available royalty-free through LLNL; contact the
This clone is available royalty-free through LLNL; contact the
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Washu-HHMI Mouse EST Project
Washington University School of MedicineP
4444 Forest Park Parkway, Box 8501, St. L
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On Sep 12, 1996 th
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Similarity . 47.9%;
23; Conserver.
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h quality sequence stop: 276.
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                                                                                                                                                                                3']; double-stranded cDNA was ligated to Eco RI adaptors [AATTCGGATCCTTG], digested with Not I and cloned into the Not I and Eco RI sites of the modified pT7T3 vector. Library constructed by Bob Barstead. " [db_xref."taxon:10090"
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/tissue_type="blastocyst"
/dev_stage="embryo (pre-implantation)"
/lab_host="DH10B"
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inserts) and B3."
/db_xref="taxon:10090"
/map="11q23"
                                                                                                                                                                                                                                                                                             /organism="Mus musculus"
/strain="FVB/N"
/clone_lib="Barstead mouse proximal/dev_stage="7 day juvenile"
                                                   /clone="
                                                                                                                                                                                                                                                                                                                                                           Location/Qualifiers
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                                                                          /map="643H09;
                                                   IMAGE: 904185"
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Pred. No. 4.25e-10;
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                                                                                                                                                                                                                                                                                                                      163 AAGAACTCTAGTGGCTGGAAGGAAGAAGAGGTTGGAGAGAGTCGGAAT 210
                                                                                                                                                                                                                                                                                                                                                                                Local Similarity 45.8%; hes 22; Conservation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 AARAAYWSNWSNGGNTGGAARGARGARGTNYTNCARWSNMGNAAY 48
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   pig.
Sus scrofa
 Large scale collection of expressed pancreatic islet cDNA library Unpublished (1996)
                                                                                                                                                                                                                      C06679 472 bp mRNA EST C06679 Rat pancreatic islet cDNA Rattus norvegicus ecdysome-induced protein E74A, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Contact: A.K. Winteroe
Department of Animal Science and Animal Health,
Genetics, The Royal Veterinary and Agricultural
Bulowsvej 13, 1870 Frederiksberg C, Denmark
homolog to human E74-like factor Elf-1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9972496
F14618.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    F14618 159 bp mRNA EST SSO4H10 Porcine small intestine cDNA library o4h10 similar to E74-like factor Elf-1, mRNA
                                                                                                                    Norway rat.
Rattus norvegicus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Evaluation and characterization of a library: analysis of 839 clones Mamm. Genome 7 (7), 509-517 (1996)
                                                                      Eukaryota; Metazoa;
Eutheria; Rodentia;
1 (bases 1 to 472)
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Wintero, A.K., Fredholm, M. and Davies, W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia;
Eutheria; Artiodactyla; Sulformes; Suina; Suidae; Sus.
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Similarity 47.9%;
23; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /note="directionally cloned cDNA
/db_xref="taxon:9823"
/clone="dhil0"
/clone=lib="Porcine small intestions of c 57 g 23 t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /lab_host="DH10B"
115 c 156
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/note="directionally c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GI:972496
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                                                                                       Chordata; Craniata; Vertebrata; Sciurognathi; Muridae; Murinae;
                                                                                                                                                                                                                                                                                                                                                                                      Score 147; DB 31; Pred. No. 4.69e-07; 14; Mismatches 12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 163; DB 14; Pred. No. 4.25e-10; 15; Mismatches 10;
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University
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Rattus.
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                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia;
Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 496)
Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.,
Parsons,J., Rifkin,L., Rohlfing,T., Tan,F., Trevaskis,E.,
Waterston,R., Williamson,A., Wohldmann,P. and Wilson,R.
Waterston,R., Williamson,A., Wohldmann,P. and Wilson,R.
WashU-Merck EST Project
Unpublished (1995)
On Apr 14, 1993 this sequence version replaced gi:837511.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ဝှ
                                                                                                                                                                   This clone is available royalty-free through LLNL; contact the IMAGE Consortium (infoimage.llnl.gov) for further information. Insert Length: 857 Std Error: 0.00 Seq primer: -28M13 rev2 from Amersham High quality sequence stop: 395.
                                                                                                                                                                                                                                                                      Tel: 314 286 1800
Fax: 314 286 1810
                                                                                                                                                                                                                                                                                                   Washington University School of Medicine
                                                                                                                                                                                                                                                                                                                                       Contact: Wilson RK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AA085539
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      zn44g11.rl Stratagene
IMAGE:550340 5', mRNA
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Fax: 272-20-8896
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                                                                                                                                                                                                                                                     Email: est@watson.wustl.edu
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Similarity 46.5%;
20; Conservative
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Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /organism="Rattus norvegicus"
/note="Vector: Lambda ZAPII; Site_1: EcoRI; Site_2:
mRNA was prepared from normal rat islets. cDNA was
directionally synthesized from the Xho I in the vect
the EcoRI site"
/db_xref="taxon:10116"
/map="7: 17921"
/clone_lib="Rat pancreatic islet cDNA"
/tissue_type="pancreatic islet"
   1. .496
                                                                                                                                                   Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /tissue_type="pancreatic 112 c 132 g 98
                                                                                                                      /organism-"Homo sapiens"
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Pred. No. 2.56e-06;
14; Mismatches 9
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371, Japan
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y158f12.r1 soares breast 3NbHBst Homo sapiens
IVAGE:162479 5', mRNA sequence.
H27938
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia;
Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 253)
Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.,
Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P. and
                                                                                                                                                                                                                                                                                  Email: est@watson.wustl.edu
Insert Size: 780
High quality sequence stops: 71
Source: IMAGE Consortium, LLNL
This clone is available royalty free through LLNL;
IMAGE Consortium (info@image.llnl.gov) for further i
INSERT Length: 780 Std Error: 0.00
Seq.primer: M13RP1
                                                                                                                                                                                                                                                                                                                                                                                                                                        Contact: Wilson RK
Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Unpublished (1995)
On Apr 18, 1995 th
                                                                                                                                                                                                                                                                                                                                                                                                             Tel: 314 286 1800
Fax: 314 286 1810
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                                                                                                                                                                                                                                                                     quality sequence stop: 71.
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                                                                                        /db_xref="taxon:9606"
/clone="IMAGE:550340"
/clone_lib="Stratagene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /lab_host="SOLR (kanamycin resistant)"
137 c 144 g 109 t 1 oth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /sex="female"
/dev_stage="HeLa S3 cell line"
                                /db_xref="GDB:576743"
/db_xref="taxon:9606"
                                                                   Library constructed by Bento Soares and M.Fatima
Bonaldo."
 /clone_lib="Soares breast 3NbHBst"
                   /clone="IMAGE:162479"
                                                                                                                                                                                                                                                     Location/Qualifiers
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Pred. No. 2.1
16; Mismatcl
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Hiller,L., Allen,M., Bowles,L., Dubuque,T., Geisel,G., Jos
Krizman,D., Kucaba,T., Lacy,M., Le,N., Lennon,G., Marra,M.,
Martin,J., Moore,B., Schellenberg,K., Steptoe,M., Tan,F.,
Theising,B., White,Y., Wylie,T., Waterston,R. and Wilson,R.
Washd-NCI human EST Project
Unpublished (1997)
On Apr 14, 1993 +hi-
AARAAYWSNWSNGGNTGGAARGARGARGARGTNYTNCARWSNMGNAAY 48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Email: est@watson.wustl.edu
This clone is available royalty-free through LLNL;
IMAGE Consortium (info@image.llnl.gov) for further i
Seq primer: -40ml3 fwd. ET from Amersham
High quality sequence stop: 148.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Contact: Wilson RK
Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. 1
Tel: 314 286 1800
Fax: 314 286 1810
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AA921310 154 bp mRNA
a107cO1.s1 Barstead spleen HPLRB
IMAGE:1425120 3', mRNA sequence.
AA921310
                                                                  60.0%;
Similarity 41.7%;
20; Conservation
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17; Conser
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larity 54.8%;
Conservative
                                                                                                                                                                                                                                                                                             /dev_stage="adult, 17 years"
/lab_host="DH10B"
20 c 36 g 44 t
                                                                                                                                                                                                                                                     [AATTCGGATCCTTG], digested with Not
Not I and Eco RI sites of the modif
Library constructed by Bob Barstead.
/db_xref="taxon:9506"
/clone="IMAGE:1425120"
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71 c 73 g 51 t 5 others
                                                                                                                                                                                                                                    /clone_lib="Barstead spleen HPLRB2"
                                                                                                                                                                                                                     /sex="male"
                                                                                                                                                                                                                                                                                                                                                                                                                                          /organism="Homo sapiens"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ocation/Qualifiers
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                                                                                       Score 123; DB 20; Pred. No. 8.46e-03;
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                                                                      Mismatches
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